



Plate Tectonics & Crustal Evolution, Third Edition

By Kent C. Condie

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This substantially revised edition includes recently published information relating to plate tectonics and continental origin. A large number of new figures have been added, and new sections included on meteorites, seismic tomography, mantle convection, accretionary terranes, mantle sources and evolution, continental growth, secular changes in Earth history, also a new chapter on exogenic Earth systems. In addition the following topics have been substantially revised: lunar origin, global gravity, origin of the core, metamorphism, plate boundaries, hotspots, tectonic settings, and magma associations. Among the new features the Tectonic Map of the World has also been updated.

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Editorial Review

Review

There is something here for everyone in the Earth sciences, and every institutional geological library should possess at least one reference copy.

Journal of Structural Geology.

Offers a vastly expanded perspective of a dramatic subject which even as he writes continues to unfold.

Australian Mineral Foundation

A great improvement on the 1st and 2nd editions "A very useful book I have no hesitation in recommending to my students.

Dr Trevor Emmett Anscia Higher Education College

It is both very readable and useful.... lively and well-written Earth science textbook.... I would strongly recommend this book to undergraduates in all years as a very worth while read. No library should be without a copy.... good value as a refresher course in plate tectonics and crustal evolution for qualified, professional Earth scientists. There are not many textbooks I would read from cover to cover, but this is one that proved worth it!

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...it will appeal to anyone interested in global geophysics...should be an essential element of any geophysical library.

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...will appeal to anyone interested in global geophysics...an essential element of any geophysical library.

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Excellent. A most up-to-date edition. Highly recommended for students taking courses in geochemistry, igneous petrology and geodynamics.

Dr Trevor Jackson Geology , University of The West Indies, Jamaica

...the great strength of this book is its ability to summarize the important contributors made by many different sectors of geology to the evolution of the crust as a whole...it is to be highly recommended.

Geological Journal 26:1

From the Publisher

The fourth edition brings the text fully up to date, with coverage of the latest research in crustal evolution, supercontinents, and mass extinctions. A new chapter covers the feedbacks of various Earth systems. In addition, a new appendix provides a valuable survey of current methodology.

About the Author

New Mexico Institute of Mining & Technology

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